

# Vozdukh (SKV) Air Conditioner

GMT 2018/246 (Monday, Sept. 3, 2018)

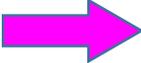
At GMT 246/09:05, the Vozdukh experienced an uncommanded deactivation associated with annunciation of Advisory Event Code 650 SM Vozdukh System Failure-RS. The crew reactivated Vozdukh successfully in Mode 4 a short time later. Per MSG, the issue was caused by valve БBK2.

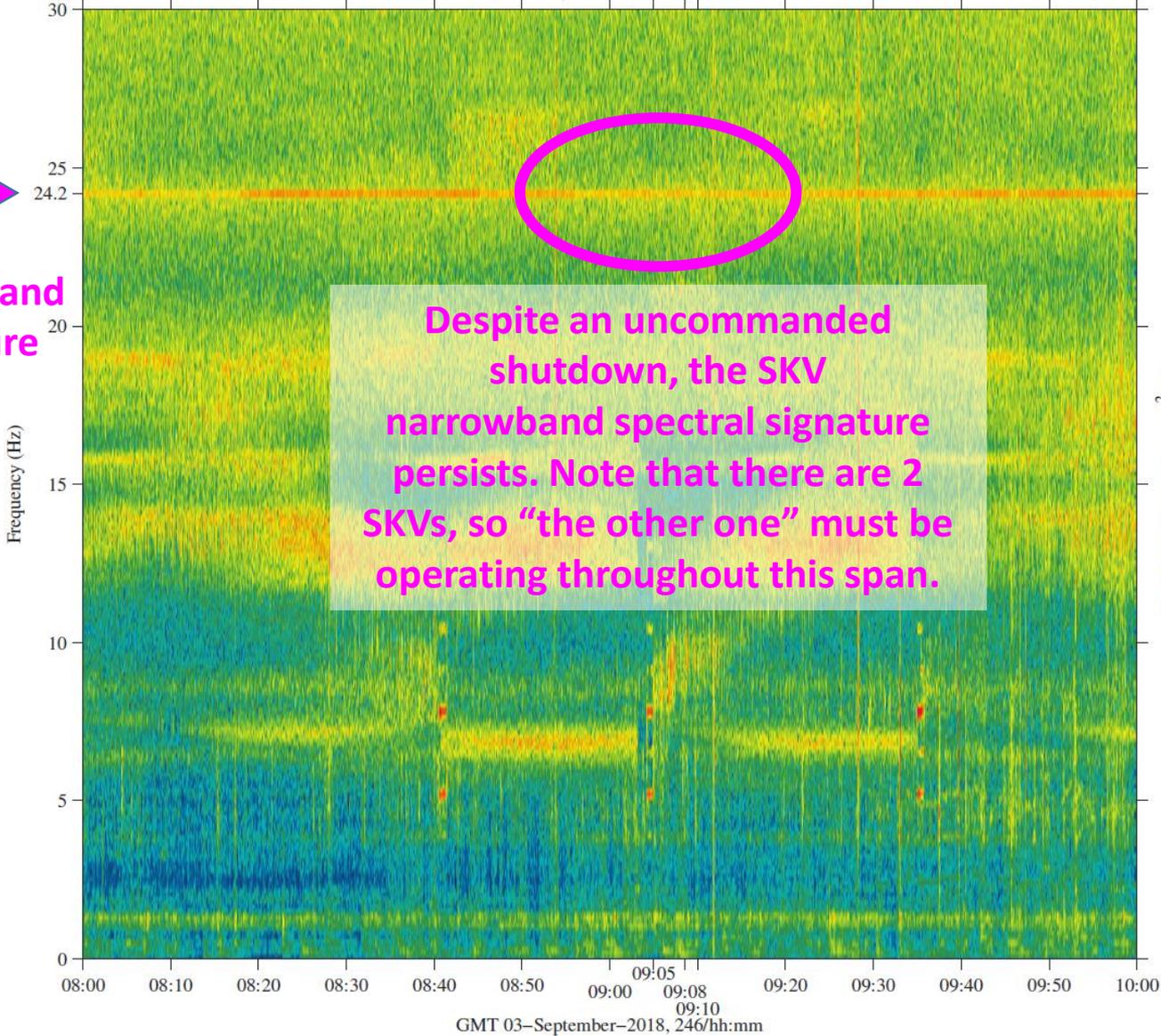
sams2, 121f04 at LAB1P2, ER7, Cold Atom Lab Front Panel:[156.60 -46.08 207.32]  
500.0000 sa/sec (200.00 Hz)  
 $\Delta f = 0.122$  Hz, Nfft = 4096  
Temp. Res. = 4.096 sec, No = 2048

SAMS2, 121f04, LAB1P2, ER7, Cold Atom Lab Front Panel, 200.0 Hz (500.0 s/sec)

Start GMT 03-September-2018, 246/08:00:00

Sum  
Hanning, k = 1756  
Span = 119.81 minutes

  
**SKV**  
narrowband  
signature



$\Sigma$  PSD Magnitude [ $\log_{10}(\text{g}^2/\text{Hz})$ ]

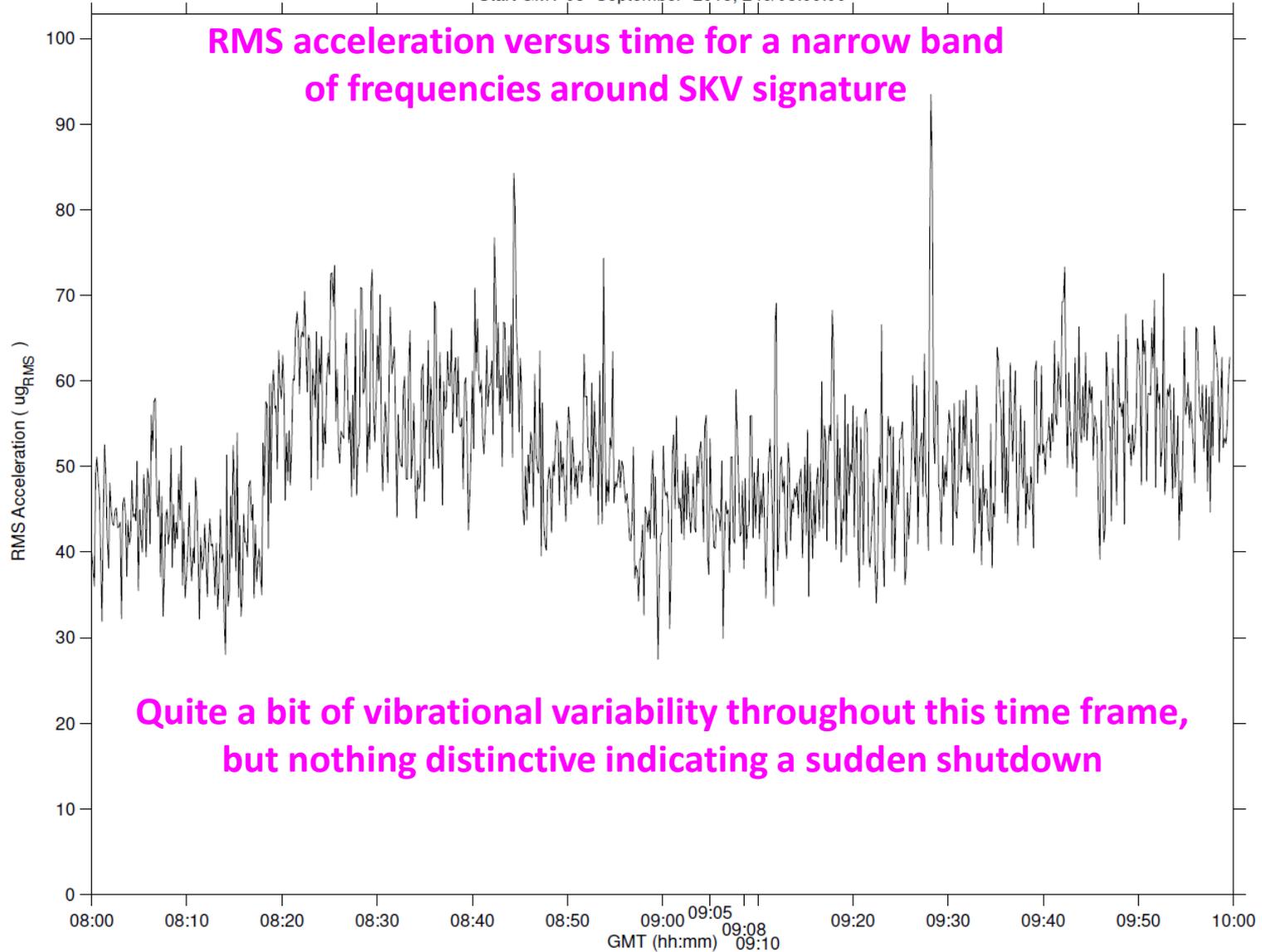


sams2, 121f04 at LAB1P2, ER7, Cold Atom Lab Front Panel:[156.60 -46.08 207.32]  
500.0000 sa/sec (200.00 Hz)  
Δf: 0.061 Hz Range: 23.5 - 24.5 Hz  
Temp. Resolution: 8.192 sec

SAMS2, 121f04, LAB1P2, ER7, Cold Atom Lab Front Panel, 200.0 Hz (500.0 s/sec)

SSAnalysis[ 0.0 0.0 0.0]  
Hanning, k = 1

Start GMT 03-September-2018, 246/08:00:00



sams2, 121f03 at LAB1O1, ER2, Lower Z Panel[191.54 -40.54 135.25]  
500.0000 sa/sec (200.00 Hz)  
Δf: 0.061 Hz [Range: 23.5 - 24.5 Hz]  
Temp. Resolution: 8.192 sec

SAMS2, 121f03, LAB1O1, ER2, Lower Z Panel, 200.0 Hz (500.0 s/sec)

SSAnalysis[ 0.0 0.0 0.0]  
Hanning, k = 1

Start GMT 03-September-2018, 246/08:00:00

